

# Best Buys

For AQA GCSE Mathematics (8300) • Foundation tier

Name \_\_\_\_\_

Total marks: **20**

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Answer **all** questions in the spaces provided. Show your working: marks are given for correct method. You may use a calculator.

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- 1** Olive oil is sold in two sizes of bottle.

| Small bottle | Large bottle |
|--------------|--------------|
| 500 ml       | 1 litre      |
| £3.20        | £6.60        |

Nell says,

‘The large bottle is better value for money.’

Is Nell correct?

Tick a box.

You must show your working.

**[2 marks]**

☐ Yes

☐ No

- 2 Anwen can buy bird seed online or at a garden centre.

| Online                                      | Garden centre                          |
|---------------------------------------------|----------------------------------------|
| 500 g bag £2.25<br>Delivery £1.99 per order | 1.5 kg bag £7.60<br>No delivery charge |

Where is it cheaper for Anwen to buy 3 kg of bird seed?  
Show working to support your answer.

[4 marks]

Answer \_\_\_\_\_

- 3 Yoghurts are sold in packs of 4 and packs of 6

| 4-pack | 6-pack |
|--------|--------|
| £1.85  | £2.59  |

How much less does one yoghurt cost in the 6-pack than in the 4-pack?  
Give your answer to 1 decimal place.

[3 marks]

Answer \_\_\_\_\_ pence

- 4 Two shops sell tins of beans.

**Shop A**  
1 tin 64p  
Buy 4 tins for the  
price of 3 tins

**Shop B**  
1 tin 62p  
Pack of 3 tins £1.70  
10% reduction in price  
on all packs

At which shop is it cheaper to buy 20 tins?  
State how much cheaper.

[5 marks]

Answer \_\_\_\_\_ cheaper by \_\_\_\_\_

- 5 A printer can use either of two ink cartridges.

**Cartridge A**  
Prints 360 pages  
Normal price £14.40  
Offer:  $\frac{1}{4}$  off

**Cartridge B**  
Prints 600 pages  
Price £22.50

Which cartridge is better value?  
You must show your working.

[4 marks]

Answer \_\_\_\_\_

- 6** A swimming pool charges £4.80 for each swim.  
A monthly pass costs £39.50 and lets you swim as often as you like.  
Kwame will swim twice a week for 4 weeks.

Is the monthly pass cheaper for Kwame?

Tick a box.

You must show your working.

**[2 marks]**

☐ Yes

☐ No